

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-48 (Cancelled).

49. (Previously Presented) An expandable medical device comprising:
a substantially cylindrical expandable medical device body formed of a plurality of struts;
a plurality of openings in the plurality of struts; and
a plurality of beneficial agent layers formed in the openings, wherein the plurality of beneficial agent layers include a first active agent arranged for delivery according to a first release profile and a second active agent arranged for delivery according to a second release profile, wherein the first and second release profiles are different.

50. (Previously Presented) The device of Claim 49, wherein the first and second active agents are arranged to be delivered to a mural side of the device body.

51. (Previously Presented) The device of Claim 50, wherein the first active agent is an anti-proliferative and the second active agent is an anti-inflammatory.

52. (Previously Presented) The device of Claim 50, further comprising a barrier layer adjacent a luminal side of the device body which blocks or retards delivery of the first and second active agents to the luminal side of the device body through the openings.

53. (Previously Presented) The device of Claim 52, wherein the barrier layer is formed within the openings.

54. (Previously Presented) The device of Claim 49, wherein the first active agent is arranged to be delivered to a mural side of the device body and the second active agent is arranged to be delivered to a luminal side of the device body.

55. (Previously Presented) The device of Claim 54, wherein the first active agent is an anti-proliferative and the second agent is an anti-thrombotic.

56. (Previously Presented) The device of Claim 49, wherein the first and second release profiles are designed to coordinate with cellular biochemical processes.

57. (Previously Presented) The device of Claim 49, wherein the first and second release profiles are of different duration.

58. (Previously Presented) The device of Claim 49, wherein the first release profile includes programmable bursts.

59. (Previously Presented) An expandable medical device comprising:

a substantially cylindrical expandable medical device body formed of a plurality of struts;

a plurality of openings in the plurality of struts; and

a plurality of beneficial agent layers formed in the openings, wherein the plurality of beneficial agent layers include a first active agent layer arranged for delivery primarily to a first side of the device body and a second active agent layer arranged for delivery to a first side of the device body.

60. (Previously Presented) The device of Claim 59, wherein the first and second active agent layers include different active agents.

61. (Previously Presented) The device of Claim 59, wherein the first and second active agent layers include the same active agent.

62. (Previously Presented) The device of Claim 59, wherein the first and second active agent layers include the same active agent in different concentrations.

63. (Previously Presented) An expandable medical device comprising:

a substantially cylindrical expandable medical device body formed of a plurality of struts;

a plurality of openings in the plurality of struts; and

a plurality of beneficial agent layers formed in the openings, wherein the plurality of beneficial agent layers include a protein drug.

64. (Previously Presented) The device of Claim 63, further comprising a barrier layer which blocks or retards delivery of the protein drug from the beneficial agent layers.

65. (Previously Presented) The device of Claim 63, wherein the barrier layers is formed at a luminal side of the opening.

66. (Previously Presented) The device of Claim 63, wherein the protein drug is provided in a biodegradable carrier.

67. (Previously Presented) A method of forming an expandable medical device comprising:

(a) forming a substantially cylindrical expandable medical device body formed of a plurality of struts with a plurality of openings in the plurality of struts;

(b) forming a solution of a beneficial agent, polymer carrier, and a solvent;

(c) delivering the solution into the opening;

(d) evaporating the solvent to form a solid layer of beneficial agent and carrier;

and

(e) repeating steps (c) and (d).

68. (Previously Presented) The method of Claim 67, further comprising forming a second solution of a second beneficial agent, polymer carrier, and solvent and delivering the second solution into the opening on top of the layers of beneficial agent.

69. (Previously Presented) The method of Claim 67, wherein the beneficial agent is an active drug.

70. (Previously Presented) The method of Claim 67, wherein the beneficial agent is an anti-proliferative.

71. (Previously Presented) The method of Claim 67, wherein the beneficial agent is an anti-inflammatory.

72. (Previously Presented) The method of Claim 67, wherein the beneficial agent is an antirestenotic.

73. (Previously Presented) The method of Claim 67, wherein the beneficial agent is a protein drug.

74. (New) An expandable medical device comprising:
a substantially cylindrical expandable medical device body formed of a plurality of struts;
a plurality of openings in the plurality of struts; and
a first active agent contained in the plurality of openings and arranged for delivery according to a first release profile; and
a second active agent contained in the plurality of openings and arranged for delivery according to a second release profile, wherein the first and second release profiles are different.

75. (New) The device of Claim 74, wherein the first and second active agents are arranged to be delivered to a mural side of the device body.

76. (New) The device of Claim 75, wherein the first active agent is an anti-proliferative and the second active agent is an anti-inflammatory.

77. (New) The device of Claim 75, further comprising a barrier layer adjacent a luminal side of the device body which blocks or retards delivery of the first and second active agents to the luminal side of the device body through the openings.

78. (New) The device of Claim 77, wherein the barrier layer is formed within the openings.

79. (New) The device of Claim 74, wherein the first active agent is arranged to be delivered to a mural side of the device body and the second active agent is arranged to be delivered to a luminal side of the device body.

80. (New) The device of Claim 79, wherein the first active agent is an anti-proliferative and the second agent is an anti-thrombotic.

81. (New) The device of Claim 74, wherein the first and second release profiles are designed to coordinate with cellular biochemical processes.

82. (New) The device of Claim 74, wherein the first and second release profiles are of different duration.

83. (New) The device of Claim 74, wherein the first release profile includes programmable bursts.